Monthly Divisional Report

New Jersey State Highway Department

May 1961

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Form #AD-39

MONTHLY DIVISIONAL REPORT Month of MAY 1961

Division: Accounting and Administrative Services

Bureau: Administration

CONTRACTS

Bids received on nine (9) projects and necessary report and certificates of award prepared. Four (4) contracts awarded; contracts prepared and forwarded for execution. Execution of three (3) contracts completed. Ten (10) projects advertised for bids. One hundred eighty-eight (188) sets of plans and supplementary specifications distributed.

SCHEDULES OF APPROVALS

Four (4) Schedules prepared listing a total of three hundred seventy-four (374) items; which by a combination of items where possible represents action on four hundred seventy-two (472) individual items. Official copies of Schedules signed by the Commissioner, placed in Minute Book and indexed. Schedules of Approvals distributed in accordance with regulations and necessary letters concerning official actions written.

GENERAL

397 Standard Specifications issued
13 Books of Materials issued
4 Deposits made for transmittal of income
17 Traffic Regulations certified to Division of Motor Vehicles
142 Property Agreements attested and processed
20 Agreements attested and processed
82 Municipal Aid contracts, applications, agreements, transfers, etc. certified
18 General Releases executed
4 Lease Agreements executed
4 Utility Orders attested and processed
27 Motor Vehicle License Forms executed
8 Motor Vehicle Claim Settlements executed
2 Public Hearings advertised

General correspondence, filing and answering telephone inquiries.

Receiving and reading bids at five lettings.

Kenneth D. Rice

Kenneth D. Rice
Secretary

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356
N5
M65
1961-05
C.1

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of MAY 19 61

Division: ACCOUNTING & ADMINISTRATIVE SERVICES

Bureau: OFFICE SERVICES

OFFICE SERVICES

THE PAPER WORK FOR INSTALLATION OF AIR CONDITIONERS HAS PROGRESSED VERY NICELY AND THEY HAVE BEEN APPROVED BY COMMISSIONER PALMER. ARRANGEMENTS HAVE BEEN MADE TO START OUR FIRST INSTALLATIONS IN THE NEWARK AND METUCHEN OFFICES. THIS WORK SHOULD GET UNDER WAY ABOUT THE FIRST WEEK OF JUNE.

DUE TO NATIONAL HIGHWAY WEEK, IT HAS BEEN NECESSARY TO PLACE AN ADDED VOLUME OF WORK IN THE DUPLICATING SECTION. ALSO, IT WAS NECESSARY TO HAVE OTHER EMPLOYEES IN THE BUREAU WORK OVERTIME DURING THE MONTH. MOST OF THIS OVERTIME WILL BE TAKEN IN XP HOURS. SOME OF THE EMPLOYEES IN THE DUPLICATING SECTION WILL BE PAID FOR THEIR OVERTIME.

THE REGULAR WORK IN THE MAIL ROOM AND THE DUPLICATING ROOM HAS INCREASED TO SUCH A EXTENT THAT I FEEL IT WILL BE NECESSARY TO ADD AN ADDITIONAL EMPLOYEE TO EACH OF THESE SECTIONS IN THE NEAR FUTURE.

A SURVEY IS NOW BEING MADE BY THE TELEPHONE COMPANY TO DETERMINE WHETHER IT WOULD BE ADVISABLE FOR US TO PLACE RESTRICTED SERVICE FOR TOLL CALLS ON OUR PBX BOARD. ALSO, AS WE ARE NOW LIMITED TO THREE SPARES ON A FOUR POSITION BOARD, THE TELEPHONE COMPANY IS NOW IN PROCESS OF COMPILING A REPORT AS TO THE COST OF EXPANDING THE FACILITIES OF THE SWITCHBOARD.

FILES & RECORDS

NORMAL OPERATIONS OF THE CENTRAL FILES SECTION WERE MAINTAINED UNTIL NEAR THE CLOSE OF THE MONTH WHEN WE FELL SOMEWHAT BEHIND IN OUR OPERATIONS, SOME OF THE NON-DAILY OPERATIONS WERE SUSPENDED SO THAT ALL THE EMPLOYEES COULD CO-OPERATE IN COLLATING AND FOLDING IMPORTANT MATERIAL URGENTLY REQUIRED BY THE BUREAU OF PUBLIC RELATIONS.

MAIL ROOM

THE GREATEST VOLUME OF WORK WE EVER DID FOR THE BUREAU OF PUBLIC INFORMATION WAS DONE DURING THE MONTH OF MAY. IT NECESSITATED CALLING FOR HELP FROM THE OTHER EMPLOYEES OF THE BUREAU OF OFFICE SERVICES, PLUS WORKING OVERTIME. WITHOUT QUESTION, THE FACT THAT THE WEEK DESIGNATED AS NATIONAL HIGHWAY WEEK ADDED MUCH TO THE AMOUNT OF PUBLICITY ORIGINATING IN THE INFORMATION BUREAU. WE ALSO SPENT HOURS FOLDING THOUSANDS OF THROW-AWAYS FOR THEM.

ACCORDING TO THE FIGURES TAKEN OFF THE POSTAGE METER MACHINE, THE AMOUNT OF POSTAGE EXPENDED DURING THE MONTH WAS CLOSE TO $3,000.00. ACTUALLY IT EXCEEDED THIS AMOUNT DUE TO THE FACT THAT STAMPED ENVELOPES HAD TO BE USED BECAUSE THE UNSTAMPED ONES WERE LATE BEING DELIVERED TO THE STOCK ROOM.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of MAY 1961

Division: ACCOUNTING & ADMINISTRATIVE SERVICES

Bureau: OFFICE SERVICES

MAIL ROOM (CON'D)

THERE HAS BEEN AN INCREASE IN THE POSTAGE SPENT ON MAPS SINCE WE MAIL THEM ALL FROM HERE.

IN ADDITION TO OUR SIX MAIL DELIVERIES DAILY, WE PREPAID THE POSTAGE ON 30,000 ENVELOPES FOR THE BUREAUS OF MAINTENANCE AND EQUIPMENT.

DUPLICATING SECTION

IT WAS NECESSARY FOR OUR EMPLOYEES IN THIS SECTION TO WORK OVERTIME TO COMPLETE LITERATURE FOR THE BUREAU OF PUBLIC INFORMATION. ALSO, OVERTIME WORK WAS NECESSARY FOR THE ADDENDA B FOR CONSTRUCTION DIVISION. SEVERAL NEW FORMS WERE PROCESSED, REVISED AND COMPLETED. ALL EQUIPMENT IS IN CONSTANT OPERATION.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of MAY, 19 61.

Division: Accounting and Administrative Services

Bureau: Purchase and Stores

During the month of May 1961, filed an abnormally large number of applications for materials and supplies owing to the deadline for 1961 applications as established by the Division of Purchase and Property.

Advised Mr. Dohrman of the Division of Purchase and Property of additional scrap iron and steel located in Pennsauken for his disposal.

Took credit from an invoice from Outdoor Lighting Company for nine aluminum traffic poles which had been returned to them for correction, upon receipt of advice that the company had gone into bankruptcy.

Approximately 30 salesmen representing varied manufacturers and distributors were interviewed during the month and about 8 meetings were attended having to do with various Departmental matters.

Edward Spear

Supv., Purchase & Stores Bureau

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of MAY 1961

Division: BRIDGE
Bureau: BRIDGES UNDER CONSTRUCTION

ROUTE	SECTION		% COMPLETION
4 & US 1,9,46	2B&1C	2 Ped. O.P.: Grand Avenue & Washington Terrace, Bergen County	13
10	4B&5A	Canoe Brook Bridge & Wall, Essex County (corr.)	88
17	3A&5A	U.P. at E. Ridgewood Ave., Bergen County	2
21	1C	14 Structures, Essex-Passaic Counties	94
US22	10A	U.P. at Relocated Mountain Ave., Somerset County	5
28	1A&7A	LVRR at Westfield Ave., Union County	62
28	3A&4A	Brs. over Green Brook & Bound Brook, Somerset & Middlesex Counties	50
US40	2A	Game Creek Bridge, Salem County	94
49	2A	Penns Neck Br. - Fender System Reprs. - Salem County	98
50	1A&2A	Cedar Swamp Cr. Bridge, Cape May County	1
78	2F	2 O.P. at CRR & LVRR, Hunterdon County	99
80	2E	10 Bridges, Morris County (corr.)	92
80	2J	4 Structures, Morris County	75
80	5G	Hackensack Riv. Br. Substructure, Bergen County	21
80	5H	Hackensack Riv. Br. Superstructure, Bergen County	1
82	1A	LVRR at Morris Ave., Union County	91
95	1D	2 O.P. at Broad Ave. & Grand Ave., Bergen County	79
95	1E	U.P. at Edgewood Road, Bergen County (corr.)	0
95	1G	7 Structures, Bergen County	6
95	1H	Viaduct over NRR of NJ & 30' Channel, Bergen County	3
129&29	1A&15A	8 Structures, Del.Riv. to Scotch Rd., Mercer County	99
US130-206	1A	2 Overpasses, Burlington County	0
US130	7A&8B	3 Bridges, Camden & Burlington Counties	99
US130	7B710B	2 Culverts, Camden & Burlington Counties	96

MONTHLY DIVISIONAL REPORT — MONTH OF MAY, 1961

DIVISION: BRIDGE

BUREAU: BRIDGES UNDER CONSTRUCTION

ROUTE	SECTION		% COMPLETION
169	1	3 Brs., Pt. Breeze to Constable Hook, Camden Co.	96
202	8A	6 Bridges, Hunterdon & Somerset Counties (corr.)	56
208	2C	O.P. at NYS & WRR, Bergen County	32
287	1B	9 Bridges, Somerset County	99
287	2C	6 Structures, Middlesex County	43
295	1C	9 Structures, Camden & Gloucester Counties	96
Delaware River Joint Toll Bridge Commission -		Contract #25 - Bushhill St. Bridge - Approaches to Delaware River Bridge, Phillipsburg	82
Cape May County:		Roosevelt Blvd. Br. over Crook Horn Thorofare	31
Cumberland Co:		Vine St. Bridge over Maurice River	0
Hudson County:		Palisades Ave. Br. over Ravine Road	91
Hunterdon Co:		Covered Bridge 304 & New Bridge over Wickecheoke Creek on Route Road #32	17
Morris County:		Bridge over Black Brook on Columbia Turnpike	43
Monmouth Co:		Gooseneck Bridge over Shrewsbury River	2

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of May 1961

Division: Bridge

Bureau: Design Section Sheet #1 of 2

ROUTE	SECTION	PROCESSING PLANS AND SPECIFICATIONS
US1		Overpass at PRR Main Line (Deck Repairs)
US1		Pulaski Skyway (Repair to Piers)
US1		Underpass at Woodbridge Avenue
3	1B & 1C	Hackensack River Bridge (Proposed) - Hardesty & Hanover, consultants
3 & 21		Sign Structures
4	3	Pedestrian Overpass at Lincoln Place
4	3	Pedestrian Overpass at Phelps Road
9		Bass River Bridge (Steel Grid Deck)
9		Nacote Creek Bridge (Steel Grid Deck)
10	9	Culvert over West Branch of Rahway River
13	1	Lovelandtown Bridge Extension
18	1A&6A	S.B. Bridge over Raritan River Railroad
18		Underpass at Relocated Milltown Road
18		Underpass at Cranbury Road
22 WB	1C	Pedestrian Overpass (Vicinity-Phillipsburgh High School)
22		Newark Viaduct (Deck Repairs)
23	15B	Bridge over Mill Brook
24	12A&13B	Culvert over Van Winckle Brook (Repairs)
27	8B	Culvert at Peach Orchard Brook, Sta. 446+19 - Clarke & Hartman, cons.
33		Shark River Brook
35		Shark River Bridge (Steel Grid Deck)
50		Tuckahoe River Bridge (Steel Grid Deck)
52		Bridges at Beach, Rainbow & Elbow Thorofares & Ship Channel (Deck Repair)
78	2G	Six Bridges - Parsons, Brinckerhoff, Quade & Douglas, consultants
78	3	24 Bridges, Annandale to Pluckemin - Parsons, etc., consultants
78	4	18 Bridges, Pluckemin to Berkeley Hgts. - DeLeuw, Cather & Brill, cons.
80	4	Bridges, Bergen-Passaic Expressway - Fay, Spofford & Thorndike, cons.
80	5	Bridges, Bergen-Passaic Expressway - Parsons, etc., consultants
80-23		Interchange, 17 Structures - Fay, Spofford & Thorndike, consultants
95		4 Structures - Parsons, Brinckerhoff, Quade & Douglas, consultants
95-80		Interchange, 6 Structures - Parsons, etc., consultants
US130	7C&9C	Underpass at Federal St. - John G. Reutter, consultant
US130	7B&10B	Culvert at Tanners Run
168		Culvert at Station 112+50, Black Horse Pike
206		Bridge over PaulinsKill Creek
208		Morlot Avenue Grade Separation
287	4A	6 Structures - Madigan-Hyland, consultants
287		20 Structures, Rt. 202 to Rt. 78 Interchange - Madigan-Hyland, cons.
287		3 Structures - Goodkind & O'Dea, consultants
287	13B&14A	3 Structures - Goodkind & O'Dea, Consultants
295	2E	7 Structures - Sherman, Taylor & Sleeper, consultants
295	2F	5 Structures - Sherman, Taylor & Sleeper, consultants
Morris Co.		Howard Blvd. & DL&WRR Bridge at County Route 264

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of May 1961

Division: Bridge

Bureau: Design Section

Sheet #2 of 2

ROUTE	SECTION	PROJECTS ADVERTISED FOR BIDS
3	1A	Hackensack River Bridge (Deck Repair) - Bids 6/8/61.
US22	14B	OP - LVRR & Liberty Ave. - Bids recd 5/18/61 - Mal-Bros, low bid.
27	3A	Culvert-Stillwell Road (6 Mile Run, Sta.295-06.50) - Bids 6/8/61.
80	5N	6 Structures - Bids recd 5/25/61 - Franklin, low bid - Error in bids recd.
208	2B	2 Overpasses, 5 Culverts - Bids 7/6/61.
287	3A	6 Structures - Bids recd 5/4/61. Awarded to Public Constructors, low bid.
287	3B	5 Structures, New Durham Rd. to Prince St. - Bids 7/7/61.
287	12A&13A	5 Structures, US202 to Vreeland Ave. - Bids 7/5/61.

PLANS SUBMITTED TO BUREAU OF PUBLIC ROADS

80	4C	6 Bridges, River Drive to Boulevard - Fay, Spofford & Thorndike, cons.
287	3C	4 Bridges, Whitman Ave. to Rt. US1 - Madigan-Hyland, consultants

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of May 19 61

Division: Maintenance and Operations
Bureau: Electrical Operations

OPERATION

31 movable bridges, full time; 7 on 24 hour notice.

MAINTENANCE

1,016 traffic signals, 5 lane control systems, 769 illuminated signs, 38 movable bridges, 237 mobile radio units, 10 base stations.
Replacement, equipment knocked down, 29 locations.

CONSTRUCTION BY BUREAU FORCES

4 new traffic signals, 6 traffic signals removed.
15 traffic signal revisions; 4 completed. 12 traffic signals under construction.

CONSTRUCTION BY CONTRACT

Highway lighting, Route I-287, Sections 1D and 2D, 1%.
Traffic signals and lighting, Route U.S.130, Sections 7D and 10C, 37%.

DESIGN BY BUREAU FORCES

Highway lighting, Route I-80, Howard Boulevard to Route 46, 5% complete.
Highway lighting, Scudders Falls Bridge Approach, 75% complete.
Highway lighting, Route I-295, Route 42 Freeway to Route U.S.130, 99% complete.
Traffic signals, for roadway construction, 4 partially complete.
13 field surveys and drawings for Bureau of Planning and Traffic.
Specifications prepared, FAS - 0, State Aid - 0.

DESIGN BY CONSULTANTS

Highway lighting, Route I-287, River Road - Route U.S.1, 35% complete.
Highway lighting, Route I-80 and I-85, Parkway to George Washington Bridge, 60% complete.
Highway lighting, Route I-80, West of Parkway, Contracts #1,2,3,4,5, 85% complete.

INSPECTION

38 PUO relocations; 8 FAS projects; electrical work in 41 road construction projects.
2 prime electrical contracts; 1 State Aid.

NEGOTIATIONS

10 traffic signals under negotiations; 5 complete.
14 field inspections and contacts with local officials, 5 on traffic signals.

CLAIMS

Payments received $15,575.73
Property damage claims set up, 20
Traffic signal cost-sharing claims set up, 3
Work Orders issued resulting in claims, 21

e bridges, full time; 7 on 24 hour notice.

, 5 lane control systems, 759 illuminated signs, 32 movable
7 mobile radio units, 10 base sections.

ic signals, 6 traffic signals removed.
al revisions; 4 completed. 12 traffic signals under construction.

ighting, Route I-297, Sections 12 and 23, 14%.
ignals and lighting, Route I-.130, Sections 7% and 100, 97%.

ighting, Route I-, Section to Route I-, %.
Lighting, Boulders Valley Bridge Approach, 75% complete.
ighting, Route I-297, Route 42 Freeway to Route I-.130, 99% complete.
surveys and drawings for Bureau of Planning and Traffic.
-

ighting, Route I-297, River Road - Route U.S.1, 34% complete.
ighting, Route I-30 and I-, Feeway to Centre Pennington Bridge,
e.

locations; 8 RAS projects; electrical work in 12 road combination projects
electrical contracts: 1 Route 444.

, under negotiations; 5 completed.
and contracts with local officials; 1 on traffic signals.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of **May** 19 **61**

Division: Maintenance and Operations

Bureau: Maintenance

SIGNS AND LINES SECTION

Erected new type green directionary signs on Route 29, Trenton to Frenchtown; Route 35, Red Bank to Neptune; Route 40, Deepwater to Atlantic City; Route 70, Camden to Marlton, and Marlton to Brielle; Route 206, Montague to Netcong, and at South Amboy Circle at the junction of Routes 9 and 35, and detour signs on Route 54 at Hammonton and on Route 29 in connection with the closing of the Yardley Bridge. Erected Service Connection Notices and passed out Notices Prior to Reconstruction in connection with construction projects on Route 4, Section 3B, South Van Brunt Street, Englewood; Route 22, Section 4A and 5-A, Mulhocaway Creek to Clinton Farms; Route 22, Section 13B, Borough of Kenilworth; Route 27, Section 3B, Culvert at Stillwell Road, Franklin Park; Route 80, Section 5N, Lodi to Teterboro, and Route 95, Section 1K, Ridgefield Park to Teaneck. Lombardi Striping Company has completed approximately 75% of Sunday lane lining, 30% of Sunday stop lining and 80% of weekday lane lining work under its two contracts for painting white traffic lines.

LANDSCAPE SECTION

Completed spraying operations in five landscape districts for the control of caterpillars and canker worms, seeding and fertilizing damaged grass areas in eight sections, chemical spraying in five sections for weed and grass sterilization under guard rails, and planting of erosion tree and plant stock donated by U. S. Soil Conservation (Route 22 at Bloomsbury and Route 27 at Metuchen). Farm Harvesting Company has completed the first of three applications under Contract "North" and Contract "South" for Herbicide Chemical Spray Treatment, and McMahon Brothers completed approximately 50% of the work under their contract for Grass Growth Retardation Treatment.

CONSTRUCTION AND MAJOR MISCELLANEOUS PROJECTS

Completed miscellaneous construction projects totaling approximately $17,200.00, including the construction of a bituminous concrete berm on Route 1 at the Sleepy Hollow Motel, the erection of chain across barrier curb openings on Route 30, Admiral Wilson Boulevard, repair of monolithic curb and gutter on Route 202 in Morristown, drainage improvement on Route 202 at First Avenue, Somerville, curb and drainage improvement on Route 29 at Lambertville, and intersection revision on Route 171 at Nassau and Allen Streets in North Brunswick Township, and institutional construction projects totaling approximately $71,500.00, including drainage improvement and road widening at Leesburg Prison Farm, paving and enlarging parking lot at Brisbane, widening turn and paving at Bordentown Reformatory, widening roadway at Johnstone Training Center, resurfacing parking area at Wilburtha State Police Headquarters, construction of parking areas at School for the Deaf and New Lisbon Colony, painting of white lines at Trenton State Hospital, construction of entrance road at Barnegat Lighthouse, and paving of road and parking area at Greystone Park.

PERMITS SECTION

Total of 321 applications processed, including 190 for road openings, 34 for the erection of poles, 59 for entrances and 38 for miscellaneous projects.

Maintenance and Operations

[illegible]

[illegible] Red Bank to Neptune; Route 40, December to Atlantic City; Route 70, Camden to Carlton, [illegible] Section 3A in Delaware Water Gap, [illegible] and at Point across Clarke at the Delaware [illegible] Lane 7, and Route 4 also on Route 25 at Clementon and Route 70 in Cherry Hill. Routine [illegible] Turnpike Division in connection with the widening of the Newark Bay Extension. Routine [illegible] reconstruction in connection with construction projects on Route 4, Section 2B, [illegible] South Street, Englewood; Route 22, Section 4A and 5-A, Watchung Area in Union County; Route 1, Section 12B, Township of Hamilton; Route 27, Section 2B, Clifford at Milltown Road, Franklin Park; Route 46, Section 4B, Lodi to Paterson, Two Route 23, Section 1B, Clifton to Passaic. Routine [illegible] Overlay from Passaic River to Paterson. Routine [illegible] stop lining and 80% of weekday lane lining work under its two contracts for painting white traffic lines.

[illegible] Section

Completed [illegible] operations on nine Interstate Districts for the control of [illegible] and weather worms, seeding and fertilizing damaged grass areas in eight sections, chemical spraying in five sections for weed and grass eradication under guard rails, and planting of erosion tree and plant stock donated by U. S. Soil Conservation (Route 22 at Glenmary and Route 27 at Metuchen). Farm Harvesting Company has completed the first of three applications under contract "North" and Contract "South" for Herbicide Chemical Spray Treatment. Application problems completed approximately 50% of this work under their contract for Grass Growth Retardation Treatment.

[illegible]

[illegible] Hollow Hotel, the erection of chain across barrier curb opening on Route 30, Admiral Wilson Boulevard, repair of monolithic curb and gutter on [illegible], and [illegible] construction projects botaining approximately $1,500.00 [illegible] and maintaining parking lot at Brisbane, widening turn and paving at Bordentown Interchange, widening roadway at Jamestone Painting Center, resurfacing parking area at Alberta Area Police Department, [illegible] meeting [illegible] Turnpike for the Beef and New Lisbon Colony, painting of white lines at Trenton Service Center, maintenance of grass [illegible], and [illegible] of road and parking area at Greystone Park.

[illegible] Section

Total of 321 applications processed, including 190 for road openings, 34 for [illegible] of poles, 59 for entrances and 38 for miscellaneous projects.

MONTHLY DIVISIONAL REPORT Month of May 1961

Division: Maintenance and Operations

Bureau: Maintenance

INSPECTION OF COMPLETED CONSTRUCTION PROJECTS

Inspected two construction projects preliminary to acceptance by the bureau, and found one (Route 78, Section 5C, Demolition) to be in satisfactory condition for acceptance and the other (Route 22, Section 13A and 14A, Route 4, Section 2A, Route 46, Section 15A) to be in need of cleaning up and seeding.

MATERIALS SECTION

The Division of Purchase and Property received bids on May 23 for furnishing bituminous concrete and asphalt emulsion for our resurfacing operations which are scheduled to begin on or about June 5. Two members of the Materials Section assisted the Division of Purchase and Property in making the awards.

BRIDGE SECTION

Completed work on replacement of concrete sidewalk at Big Timber Creek Bridge on Route 130 at Westville, cutting of roadway expansion joints at end of Edison Bridge on Route 9 at South Amboy, and replacing concrete headers at Assiskunk Creek on Route 130 at Burlington, Shabakunk Creek on Route 206 at Harneys Corner, and Little Shabakunk Creek on Route 206 at Ewing. J. I. Hass, Inc. has completed all work under its contract for painting the Hackensack River Bridge on Route 3 at Secaucus, 40% of the work under its contract for painting the Passaic River Bridge on Route 1-9, 35% of the work under its contract for painting four bridges on Route 3 in North Bergen and Weehawken, and on May 29 started work on its contract for painting two bridges on Route 46 in Ridgefield Park and Little Ferry; W. Pera Painting Company approximately 90% of the work under its contract for painting five bridges on Route 130 in Hamilton Township, Mercer County; Singelis Industrial Painting Company approximately 50% of the work under its contract for painting two bridges on Route 151 in Camden, and Hudson Maintenance Corporation started work on May 31 on its contract for painting five bridges on Route 46 in Caldwell. Department forces completed painting the rails and expansion shoes on the Rockaway River and D. L. and W. R. R. Bridge and the Route 15 Overpass on Route 46 at Dover, beams and rails on the Pequest River Bridge on Route 46 at Vienna, L. and H. R. R. Bridge on Route 46 at Great Meadows and Pohatcong Creek Bridge on Route 24 at Washington, and rails on the Musconetcong River Bridge on Route 46 at Hackettstown, Branch of Pohatcong Creek Bridge on Route 69 at Washington, and the Central Railroad Bridge on Route 69 at Hampton.

MAINTENANCE BUILDINGS AND STRUCTURES

Constructing new addition to maintenance building on Route 46 at Hackettstown; preliminary plans and cost estimates completed and being reviewed for construction of new garage and service building on Route 70 in Delaware Township; plans completed for installation of gas pumps at five maintenance yards; rebidding new water supply systems for maintenance yards at Manahawkin and Bridgeport; preparing master plan for assignment of sections and yard locations for new interstate road system; completed grading of new maintenance yard site at Routes 50 and 322, Mays Landing; preparing site plan for developing new maintenance yard at Routes 22 and 202 at Somerville; investigating condition of components for main office building air conditioning; developing temporary maintenance yard on Route 10 at Whippany; designing septic systems for Bridgeport and Manahawkin maintenance yards.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of May 19 61

Division: Maintenance & Operations

Bureau: Plant & Equipment

GENERAL REPAIR SHOPS

Safety lights, tail-lights and driving lights were repaired and/or installed on 41 pieces of equipment. The Carburetor and Ignition Shop completed 110 operations. The Car and Truck Shop completed 46 major and minor operations. The Mower, Carpenter and Tin Shops completed 75 major and minor operations. The Heavy Equipment Shop completed 69 major and minor jobs. The Inspection Shop was kept busy with regular and special assignments. The Machine Shop completed a total of 238 major and minor operations. The following operations were completed in the shop and on the road: Equipment Operations 66 major and minor repairs; Diesel Shop 33 major and minor repairs.

SNOW PLOW SHOP

Repaired and painted 12 plows and 22 push frames. Repaired 6 trip springs, 35 hydraulic rams, 32 hydraulic pumps and 12 caster assemblies. Fabricated 2 Model 712 semi-circle extensions. Prepared 60 axle clamps for next snow season. Repaired and installed 4 temple gates. Stripped 5 trucks for trade-in. Snow plows and equipment from 17 contractor's sections picked up for storage and repair in Fernwood. Snow equipment removed from 18 Department trucks for the summer.

BUILDING MAINTENANCE SECTION

The Building Maintenance Section completed the following work throughout the State:

Fernwood Service Station	Painted boiler room Bldg. #2. Removed all storm windows and storm shelters from Bldg. #1 and stored. Serviced compressors and exhaust systems in Bldgs. #1, #18 and #20. Constructed and painted 9' deck for Electrical Bureau. Installed new 550 gallon oil tank below ground Bldg. #16. Constructed wooden desk and shelves for Electrical Bureau. Painted boiler room in Bldg. #1. Worked on conversion of Bldg. #11. Removed and stored storm windows, washed windows Bldg. #10.
Avenel Garage	Installed air line and hose bib to new press. Installed water line to side door for steam jenny.
Belmar	Started to build new garage for gasoline and mower storage.
Branchville Garage	Repaired overhead doors and installed pass door in overhead door. Built partitions and screened in second floor. Painted outside of new section.

Maintenance Section completed the following work throughout the State:

Painted boiler room Bldg. #2. Removed all storm windows and storm shelters from Bldg. #3 and stored. Serviced compressors and exhaust systems in Bldgs. #1, #18 and #20. Constructed and painted 2' desk for Electrical Bureau. Installed new 550 gallon oil tank below ground Bldg. #16. Constructed wooden desk and shelves for Electrical Bureau. Painted boiler room in Bldg. #1. Worked on conversion of Bldg. #11. Removed and stored storm windows, washed windows.

Installed air line and hose bib to new press. Installed water line to side door for steam jenny.

Started to build new garage for gasoline and motor storage.

Repaired overhead doors and installed pass door in overhead door. Built partitions and screened in second floor.
Prepared outside of new section.

Driving lights were repaired and/or installed on 11 [illegible]. Ignition Shop completed 110 operations.
[illegible] 16 major and minor operations. The Power Carpenter [illegible] and minor operations. The Heavy Equipment [illegible] The Inspection Shop was kept busy with [illegible]. The Machine Shop completed a total of 238 major [illegible]. The following operations were completed in the shop and on [illegible]. Rebuilt Shop 33 major [illegible] operations.

12 plows and 22 push frames. Repaired 6 trip mounts, 35 hydraulic pumps and 12 caster assemblies. Fabricated 2 model 712 [illegible]. Prepared 60 axle clamps for next snow season. Completed [illegible] gates. Stripped 5 trucks for trade-in. Snow plows and [illegible] Department removed from 18 Department trucks for the summer.

Monthly Report May, 1961

Clinton Garage	Installed new lavatory and urinal. Painted men's room, boiler room, doors and wooden awning. Built wooden awning for office window and new counter opening for stock room.
Edgewater Park	Constructed tool racks and shelves.
Hackettstown	Installed rough plumbing and water line.
Merchantville Garage	Repaired two toilets, replaced both seats and feed lines.
Morris County Rt. 10 & 202	Installed water service, toilet and lavatory.
Netcong Garage	Repaired overhead door, replaced all door rollers. Installed new air line and added three new drop lines.
Newark Garage	Built bulletin board, map board and book case for new Right of Way Office.
Paterson	Repaired water leak and serviced new heater.
Vineland	Reglazed windows, painted metal sash.

Serviced, water treated and checked burners, boilers and controls at the following installations: Fernwood: Bldg. #1, #2, #3, #7, #9, #16, #18, #20, #21, #33 and #34. Other installations: Avenel, Newark, Lodi, Metuchen, Sand Hill, Flemington, Clinton, Bloomsbury, Netcong, Dover, Branchville, Hammonton, Toms River, Vineland and Bridgeport.

NEW EQUIPMENT

Thirty-five (35)	1961 Dodge 1/2 Ton Pickup Trucks
Twenty (20)	1961 Plymouth 2-Dr. Sedans
One (1)	1961 Plymouth 4-Dr. Sedan
Five (5)	1961 Plymouth 6 cylinder station wagons
Four (4)	1961 Plymouth 8 cylinder station wagons
One (1)	1961 Rambler 6 cylinder 4-Dr. Station Wagon
Seventeen (17)	1961 Model C-44 Jari Sickle Bar Mowers
One (1)	1961 Model 8T Wald Traffic Line Paint Spray Machine
One (1)	Yale Towne, 1/2 Ton Spur-geared Chain Hoist

CLAIMS

A total of $ 795.69 was collected during the month on insurance claims.

Monthly Report May, 1961

Following is a list of operations completed at various Department Garages:

Garage	No. of Operations Completed	
Avenel	363	
Branchville	63	
Clinton	198	
Lodi	200	
Merchantville	315	
Netcong	233	
Newark	334	
Toms River	380	(Hammonton Garage Included)
Vineland	326	

	390 (Hammarlson Durango Inclined)

BUREAU OF PLANT & EQUIPMENT

No. of Vacancies

Position Number	Title	Date	Assignment	Remarks
682	Clerk Typist	3/4/61	Fernwood	Awaiting results of Senior Clerk examination before filling this position.
1468	Equipment Operator	3/6/61	Branchville	Examination to be held on June 17 & 24, 1961.
716	Equipment Operator	4/21/61	Newark	Examination to be held on June 17 & 24, 1961.
632	Heavy Eq. Operator	4/12/61	Netcong	Have a certification to fill this position.
627	Mechanic Helper	4/21/61	Netcong	PR43A Form put through channels on 5/23/61.
530	Repairman Mechanical	4/2/61	Fernwood	The second list of certification has now been received to fill position.
672	Truck Driver	10/17/60	Fernwood	Awaiting results of Civil Service examination to fill this position.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of **May** 1961

Division: **Personnel**

Bureau:

Plant Security

The week-end security checks were started once again and will continue until every section of the Department has been covered. At the present writing, some reports have been presented and reviewed. These indicate that there has been some improvement in properly securing the equipment in the various buildings. As soon as the project is completed, reports will be prepared and submitted to those bureaus at interest for whatever appropriate action is necessary.

We recently undertook a complete survey of movable bridges, which has now been completed. It has not, however, been thoroughly analyzed and correlated. This, too, will be submitted to those at interest when finished.

Safety

The Safety operations have been redesigned geographically so that a better and more complete coverage of all operational areas may be given closer attention. In effect, the State has been designed into four Safety Districts and a man assigned to each of these districts with emphasis on a hard hitting program towards better safety practices, particularly as it pertains to construction operations, both by departmental personnel and contractors doing work for the Highway Department.

Particular emphasis is being placed on proper traffic control through flagmen or uniformed traffic directors, as the case may be. The same efforts are being extended towards proper advance warning through the medium of adequate signs, traffic cones, as well as night time lighting protection and delineation.

A properly designed safety vest is being introduced to the field of our operations. After several weeks of tests, the Safety Office is certain that this piece of safety wear will be effective for employees working on the roadway either day or night, as the material is reflectorized and striped with alternate white and safety orange. This will be a good safety factor for those working on snow and ice control during the winter months.

Flood Control

checks were started once again and will continue
until every section of the Department has been covered. At the present
writing, nine reports were presented and reviewed. These indicate
that there has been some improvement in properly securing the equipment
in the various districts. As soon as the project is completed, reports
will be prepared and copies sent to all districts so that any variance
appropriate action is necessary.

is presently underway a monthly safety bulletin, which has
been given the name, "Safety Beacon", has recently been completed and
distributed. This, too, will be submitted to those at interest when
.

Safety

The safety procedures have been presently be kept
active and more complete coverage of all operational areas may be given
greater attention. In effect, the State has been designed into four
safety districts and a man assigned to each of these districts with
emphasis on a hard hitting program towards better safety practices,
particularly as it pertains to construction operations, both by depart-
mental personnel and contractors doing work for the Highway Department.

Particular emphasis is being placed on proper traffic control through
effective use of adequate signs, traffic cones, as well as night time lighting
protection and delineation.

A properly designed safety vest is being introduced to the field of
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winter months.

IN REPLY PLEASE REFER TO

Monthly Report
Division Planning,
Research, Soils &
Tests.

State of New Jersey

STATE HIGHWAY DEPARTMENT

DWIGHT R. G. PALMER, COMMISSIONER

TRENTON 25

June 2nd,1961

Commissioner Dwight R. G. Palmer:

Herewith are submitted the reports of this Division for the Month of April 1961.

Planning & Traffic
Harry A. Hartmann
Assistant Supervising Engineer

Engineering Research
William VanBreemen
Research Engineer

Soils
Keith Rosser, Jr.
Assistant District Engineer

Testing Laboratory
J.C. Reed
Supervising Engineer

Howard N. Rigby
Director and Chief Engineer
Division Planning, Research, Soils & Tests

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of May 1961

Division: Planning, Research, Soils and Tests
Bureau: Planning and Traffic

HIGHWAY USE SURVEY SECTION

Field

The regular programmed machine and manual counts were completed this month.

Office

The normal functions of processing and reviewing field counts are continuing.

TRAFFIC DESIGN AND RESEARCH SECTION

During this period the major work items for this section were the continuation of basic analytical research into traffic signal synchronization; the analysis of the traffic Origin and Destination data collected along Route 47 in the Millville area; and the estimation of intersection volumes for Route 23 in Bergen County.

Other work items were the review of traffic volumes for the proposed Route 18 Freeway in Middlesex County and the proposed Route 69 Freeway in Mercer County; and a compilation of road capacity data for the Highway Research Board.

HIGHWAY TRAFFIC OPERATIONS SECTION

During this period the Highway Traffic Operations Section has received, investigated and processed requests for the installation, revamping, retiming and operation of traffic signals; has received and processed miscellaneous traffic investigations; has checked the timing and operations of signallized intersections.

TRAFFIC SAFETY, CONTROL AND REGULATION SECTION

The assignments under way in this section consisted of radar speed meter surveys for speed zone studies, laying out and processing "no parking" regulations, making traffic investigations and parking studies, preparing and processing other traffic regulations and coordinating Departmental review of riparian rights.

HIGHWAY PLANNING SURVEY SECTION

Road Inventory

Field work has been suspended due to lack of personnel. A revision of the manual of procedure for Road Inventory is under consideration. These changes would be reflected in the methods of obtaining data in the field, and type of data to be recorded by field parties.

Road Mileage Statistics

Preparation of the 1960 State and Federal Aid Mileage Reports is under way.

Mapping

The General Highway Series Maps are being revised and urban enlargements are being prepared by the drafting section.

Planning, Research, Soils and Tests

The regular progressed section and special tests were completed this month.

The normal function of processing and typewriting field notes are continuing.

During this period the major work items for this section were the continuation of basic analytical research into traffic signal synchronization; the analysis of the traffic origin-and Destination data collected along Route 17 in the Hillsville area; and the validation of intersection volumes for Route 23 in Bergen County.

Other work items were the review of traffic volumes for the proposed Route 17 freeway in Hillsdale County and the proposed Route 29 freeway in Mercer County; and a compilation of road capacity data for the Highway Research Board.

During this period the Highway Traffic Operations Section has received, investigated and processed requests for the installation, revamping, retiming and operation of traffic signals; has reviewed and processed plans for [illegible] operations; has checked the timing and operations of signalized intersections.

The Antiquarts water tap in this section consisted of twelve speed meters surveys for road tore studies, laying eye and processing "no parking" regulations, making traffic investigations and parking studies, preparing well presented [illegible] traffic regulations and coordinating Departmental review of riparian rights.

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Preparation of the 1960 State and Federal Aid Mileage Reports is under way.

The General Highway Series Maps are being revised and urban enlargements are being prepared in the drafting section.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of May 1961

Division: Planning, Research, Soils and Tests
Bureau: Planning and Traffic

Annual Statistical Reports

Preparatory work has been completed and actual field work has been started on the 1960 Local Road Report.

Origin and Destination

Personnel from this Bureau supervised the field work for an O. & D. study conducted in the McGuire Air Force Base area.

PENN-JERSEY TRANSPORTATION STUDY

The Bureau of Planning and Traffic was represented at the following meetings of the various committees of the Study:

May 10, 1961 - Executive Committee
May 12, 1961 - Technical Committee
May 18, 1961 - Policy Committee

The three sub-committees established for the purpose of making a review of all activities, under taken by the staff, have been functioning during May. Reports of the proceedings of the sub-committees have been prepared, and are to be submitted to the chairman of the Technical Planning Committee by June 7.

Vouchering of charges and reconciliation of accounts from the start of the Study to June 30, 1960 has been completed by both New Jersey and Pennsylvania.

ADDITIONAL STUDIES

Newark Transportation Study

The review of the report covering this study is now in progress. It is expected that some revision will be required and time should be allowed to the Consultant for this work.

Following the return of the revised Report from the Consultant, the Report will be forwarded to the Bureau of Public Roads for their initial review. Upon our receipt of their comments, the Consultant shall make arrangements for the final printing.

Northeastern New Jersey Transportation Study

Letters have been sent to the chairmen of the Boards of Freeholders of the eight counties, together with a copy of the preliminary agreement form, a copy of the Study outline, and a proposed organization chart. We are still awaiting indication of their intention of participation in the Study.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of May 19 61

Division: Planning, Research, Soils & Tests

Bureau: Engineering Research

PAVEMENTS

In collaboration with Soils Bureau, made necessary studies and submitted pavement recommendations for the following projects: (a) Route 202-206 Dualization, Bedminster to Route 287, and (b) Intersection Revision, Junction of Routes 41 and 47. Also spent considerable time on studies relating to the proposed resurfacing and widening of Route 130, Pennsauken to Burlington.

Participated in investigation of severely cracked concrete pavement in localized area on Route 78, vicinity of Bloomsbury. This involved (a) making a crack survey,(b) taking close-interval pavement levels, (c) plotting profiles and cross-sections, (d) laying out location for test cores, (e) taking levels on the pavement, subbase, and subgrade surface, at the core holes. Reported findings verbally to E. Y. Corson. Also made crack survey of the entire project, from Still Valley to Bloomsbury.

Participated in experiments to establish satisfactory method of removing deteriorated surface treatment on sheet asphalt pavement on Route 70, vicinity of Ellisburg.

Inspected and photographed deck of bridge over Raritan River Railroad, on Route 18. Reported findings to Bridge Division, and made recommendations as to rehabilitation of same.

As continuing study, took measurements in connection with various experimental pavements on Route 130, vicinity of New Brunswick.

Inspected joint devices at paving projects on (a) Route 129, and (b) Route 130.

BRIDGES

Took measurements on the following bridges: (a) Shark River, Route 35, (b) Inland Waterway, Lovelandtown, (c) Inland Waterway, Route 88, (d) Manasquan River, Route 35, (e) Cheesequake Creek, Route 35, and (f) Raccoon Creek, Bridgeport. Serious expansion difficulties have been experienced with these bridges. The primary purpose of these measurements is to detect and report on any changes which might result in binding of the drawspans during hot weather.

Installed measuring points at relief cut made in concrete pavement adjacent to south end of Edison Bridge--the purpose of this cut being to prevent a repetition of the serious displacement which occurred in connection with the southerly span. Also took measurements in connection with the southerly portion of this structure, to determine the effect of the work recently performed.

Month of May 19 6

[illegible] abortion with Soils Bureau, made necessary studies and submitted
[illegible] recommendations for the following projects: (a) Route 202-205
[illegible]. [illegible] (b) [illegible] Section, [illegible]
[illegible] Ridge [illegible] and [illegible]. Also about completable time on studies relating to
[illegible] proposed resurfacing and widening of Route 139, Pennington to Burlington.

[illegible] in [illegible] advice of severely cracked concrete pavement in
[illegible] area on Route 70, vicinity of Bloomsbury. This involved (a) making
[illegible] -sections, (d) laying out location for test cores, (e) having Lavo
[illegible], [illegible] at the same point. Thereafter
[illegible] was verbally to L. Y. Dorman. Also made check survey of the entire
[illegible] from Stull Valley to Bloomsbury.

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[illegible] Lithotion of same.

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[illegible] on Route 139, vicinity of New Brunswick.

[illegible] ed joint devices at paving projects on (a) Route 129, and (b) Route
[illegible].

[illegible] on the following projects: (a) [illegible] Route 29,
(b) [illegible] Waterway, Lovelandtown, (c) Inland Waterway, Route 88, (d)
[illegible], Route [illegible], [illegible] Port. Sketches explanation difficulties have been encountered
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[illegible] of the serious displacement which occurred in connection with
[illegible] ly span. Also took measurements in connection with the recently
[illegible] this structure, to determine the effect of the work recently
[illegible].

Took precise levels on three prestressed bridges on Routes 22 and 78, to determine whether there has been any permanent changes in elevation of the centers of the spans. Reported results verbally to L. C. Petersen.

MISCELLANEOUS

Reviewed statement prepared by AASHO Committee on Nomenclature (as related to pavements). Submitted comments and suggestions to F. L. Gerard.

Participated in conference relating to the investigation of the serious rutting of bituminous pavement on Route 73, Palmyra Bridge to Route 130. The conference concerned the preparation of a report.

Participated in conference at the research laboratories of the General Cable Company, relative to the possible use of electronic means to prevent the accumulation of snow and ice on pavements and bridge decks.

At the request of J. F. Andrews, prepared the design details of a light-reflecting strip, for possible use in connection with barrier curbs.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of May 19 61

Division: Planning, Research, Soils and Tests
Bureau: Soils and Subdrainage

At the request of the drainage engineer, an investigation is being made of the complaint of a property owner, Mr. James Milligan of 878 Highland Ave., Gloucester, N. J. regarding cracks which have appeared in both the inside and outside walls of his house after the contruction of our Route 42 Section 12B, North-South Freeway.

The primary question in Mr. Milligan's mind apparently is whether or not any settlement has occurred in the vicinity of a 60" corrugated metal pipe which was installed 12 feet from one corner of the house during construction of the Freeway.

It is contemplated that in addition to inspecting the damage to the building and ascertaining the depths, limits and refill method of the excavation made by the contractor in order to install the pipe, the inside of the pipe itself will be examined.

George M. Brewster, the contractor on F.A.I. Route 95 Section 1E has been experiencing a certain amount of difficulty in obtaining lightweight fill material. Approximately 73,000 yards of this material is to be used in building an embankment in an area, the stability of which is critical. The maximum compacted weight, per cubic foot, permissible according to our specifications is 65 pounds. The compacted weight, per cubic foot, of ordinary earth is at least 110 pounds.

The original, rather stringent, gradation was established by the consultant, Parsons, Brinckerhoff, Quade and Douglas based on the gradings reported to him by a local supplier. This gradation was altered by this bureau to conform to the specifications already used on a previous project in the metropolitan area, after several bidders complained that such a material was not available.

The contractor has engaged a private consultant to evaluate the Brewster source with regard to its use for the purpose intended even though it fails to comply with the State's specifications. A report of this evaluation has been submitted to the Highway Department and will be studied by the Soils Bureau, the Construction Division and the Coordination and Design Group before a recommendation is made as to the advisability of using the source.

An investigation is being carried on jointly between this bureau and the Research Engineer of the condition of a recently completed section of concrete pavement on F.A.I. Route 78. The area concerned lies within a cut composed partially of rock. Cracking of slabs and spalling of the surface in the vicinity of joints is very pronounced. From the results obtained from testing of cores for compressive strength, measurement of and sieve analyses of the subbase as well as the measurement of the thickness of the layer of earth between the subbase and the rock, it is hoped that we will be able to determine whether or not there is any contractual responsibility involved.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of May 19 61

Division: Planning, Research, Soils and Tests

Bureau: Testing and Materials

NEW MATERIALS

A two-component cold applied, coal tar epoxy material, known as "Tarset", was tested for its effectiveness as an anti-strip agent for the treads of stairways on bridges. A verification batch of portland cement concrete was made to test quality of a new plasticizing densifier for state use. One concrete sand from a new source was given full tests, also two washed gravels and one ledge rock were tested.

MATERIALS' DEVELOPMENT

Further work under Laboratory Investigation 1961-4 is being performed on epoxy-resin type binders for resurfacing and repair of structures. A number of natural high reflectance sands from various locations within the state were obtained and reflectance plaques, using these sands and white cement, were made and tested. Samples of deicing salts from three suppliers are under physical and chemical tests to evaluate them for State use. Stability and flow were determined by Marshall test on bank run gravel and stone from various projects for use in stabilized base course, and on FA-BC for Top Course. Drilled cores and pavement samples from three projects tested for specific gravity and percent voids. Bitumen recoveries made from ten pavement samples, FA-BC Top and Bottom. Cores from unsatisfactory white reflector type curb were tested for compressive strength, unit weight and absorption. Close scrutiny and photographs taken of cores cut from drain basins on Rt. 287 Sec. 2-C, Possumtown Rd.

PERFORMANCE TESTING AND INSPECTION

The first group of experimental traffic paints for the 1961-62 test series was recently applied at the Laboratory's test site on Route U.S. 130, east of Robbinsville. A sample of Zincilate - metal protective coating - was submitted by the Bridge Division for inspection and evaluation. Two sources of cinders and two slag samples were given complete tests by the soils laboratory to determine their suitability as light weight fill. Using different stone contents, Marshall specimens were molded and the specific gravity was determined on the specimens, some of which were coated with paraffin wax to determine the effect of absorption on the gravity. A new concrete batching plant was inspected and re-examination made of a sand and gravel plant. A Rockport, Mass., quarry was inspected to ascertain if the granite would meet our specifications. A new Barber-Greene asphalt plant located at Laurelton, N.J., was inspected and approved. In conjunction with the Maintenance Bureau, inspections were made on two projects prior to release of the Maintenance Bonds. Cold patch mixes of various types, laid in Camden and Salem Counties, were inspected to determine possibility of their use for winter patching.

EXHIBIT

At the State House, an exhibit was prepared for National Highway Week, displaying a cross section of typical portland cement concrete pavement and base, and a bituminous pavement from the subgrade to the bituminous concrete top.

PERSONNEL

Two Asst. Engineers (Trainees) were given the 3-week training course. A group of 13 senior engineering students and their instructor from Rutgers University were conducted on an inspection tour of our facilities.

SAMPLES RECEIVED

During this month, 2768 samples were received for test as compared with 3011 samples received during the corresponding period of 1960.

JCR:AM 6-1-61.

coal tar epoxy material, known as "Teroset",
its effectiveness as an anti-skid agent for the treads of
quality of a new plasticizing demulsifier for crude was
sand from a new source was given full tests, also two washed gravels and
large rock were tested.

ined by Marshall test on bank run gravel and stone from various projects
in established base course, and on PA-3C for Top Course. Drilled cores
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Cores from unsatisfactory white reflector type curb were tested for
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TESTING AND INSPECTION

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various types, like [illegible] were [illegible]
[illegible] possibility of [illegible] these [illegible].

[illegible] Division, [illegible] Bureau [illegible] Engineering,
[illegible] Testing and Research [illegible] Laboratory.

[illegible] Engineers [illegible] Junior engineering students and their instructor
[illegible] conducted on an inspection tour of our facilities.

[illegible], 2768 samples were received for test as compared with 3011
[illegible] during the corresponding period of 1960.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of May 1961

Division: Planning, Research, Soils and Tests

Bureau: Testing and Materials

MEETINGS

Attended meeting called by Director C.F. Sullivan for discussion of salt purchase and shipments. Later meeting held with A.E. Watov of the Purchase Bureau and K.B. Craft of our Maintenance Bureau for discussion of proposed modification of the specifications for Sodium Chloride (Rock Salt) for deicing purposes. Laboratory member of the Highway Research Board Ad Hoc Committee on Asphalt Research attended meeting in Montreal, Canada. At no State expense, traveled to Hartford, Connecticut as member of the Oral Examining Committee for Materials Testing Engineer examination held by the Connecticut Personnel Department. A Laboratory conference was held with representatives of the Portland Cement Association for a discussion of concrete proportions. Laboratory was represented at a meeting with Dow Corning Corporation personnel to discuss use of Silicones as an admixture for portland cement concrete to improve durability and strength. Laboratory member attended a Central Committee Meeting of the State Employees Awards Program.

JCR:AM 6-1-61.

Laboratory member of the Highway Research Board Ad Hoc
Committee on Materials for Bituminous Pavements.

Laboratory was represented at a meeting with Dow
Corning representatives to discuss use of Silicones as an admixture
for concrete and cement concrete to improve durability and strength.

Laboratory member attended a Central Committee Meeting of the State Employees
Training Program.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of May 19 61

Division: Right of Way Acquisitions & Titles
Bureau: Legal

I. STATISTICAL

Papers drawn in May

Condemnation

Complaints - 20
Orders to Show Cause - 20
Orders of Continuance - 4
Orders Allowing Plaintiff to File Amendment To Complaint - 2
Amendments to Complaint - 2
Notices of Motion - 7
Orders for Possession - 4
Orders for Judgment and Appointing Commissioners - 5
Orders Substituting Commissioner - 2
Orders Extending Time for Filing Report of Commissioners - 18
Reports of Commissioners - 4
Orders Granting Compensation to Commissioners - 9
Order of Dismissal - 1
Orders on Appeal - 3
Notices of Appeal - 6
Orders Fixing Date for Trial - 1
Orders Discontinusing Appeal - 3

Miscellaneous

Order Dismissing Complaint - 1

Number of Deeds Approved - 180
Number of Titles Approved - 194

Court Appearances - 65

II. GENERAL ACTIVITIES

Court appearances appointment of condemnation commissioners; various motions; hearings before condemnation commissioners; trials; preparation for court appearances; preparing legal briefs and memoranda; conferences in re same; conferences with various Deputy Attorneys General.

Substituting Commissioner - 2
Extending Time for Filing Report of
Commissioners - 18
Duties of Commissioners - 4
Granting Compensation to Commissioners -
Duties of Terminal - 1

Payment of condemnation commissioners
charge before condemnation commissioners
proceedings in re same
County Attorneys General.

III. INTERDEPARTMENTAL SERVICES

Conferences with department heads with reference to various problems; opinion memoranda for Commissioner Palmer, department heads and employees; approving, disapproving and re-writing various legal papers and documents; recommendations for condemnation or settlement; trial preparation; brief writing and similar services.

IV. MISCELLANEOUS

Attending bidding; seeing that all necessary papers are prepared; dictating all court matters; numerous other matters which arise during the course of the month.

V. SPECIAL

From January 1, 1961 to May 31, 1961, we filed 90 condemnation cases. This is the same number that we had filed at the end of August, 1960. In addition thereto, as of May 31, 1961, we have 51 cases to be started. On August 31, 1960 we had only two or three cases to be started. This is a tremendous increase in our work load.

WJM/mmd

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of May 1961.

Division: Right of Way Acquisition & Titles
Bureau: Title

TITLE SEARCHING

86 searches and 174 continuation searches were completed throughout the State.

TITLE EXAMINING

116 title searches were examined and Reports of Title prepared.

LEGAL INSTRUMENTS

82 Legal instruments were prepared and forwarded to the owners or their attorneys for execution.

CERTIFICATE OF TITLE

194 Certificates of Title were prepared and submitted to the Department of Law for approval.

SETTLEMENTS

137 final settlements were made with property owners.

CONDEMNATIONS

23 Title Memorandums were prepared and forwarded to the Department of Law. 128 condemnation notices were served.

TITLE COMPANIES

118 deeds were delivered through the offices of title companies.

117 checks were delivered to title companies with instructions for settlement with the owners.

Edward H. Drake
Title Officer

Searches and 179 continuation searches were completed

[illegible] were received and [illegible]

Legal instruments were prepared and forwarded to the owners or their attorneys for execution.

179 Certificates of Title were prepared and submitted to the Department of Law for approval.

137 final settlements were made with property owners.

21 Title Memorandums were prepared and forwarded to the Department of Law. 128 condemnation notices were served.

118 deeds were delivered through the offices of title companies.

117 checks were delivered to title companies with instructions for disbursement with the owners.

Edward R. Dreyer

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of May 1961

Division: Roads, Design and Construction
Bureau: Federal Aid Secondary

PLANS

Checking plans for the following projects:

Kiel Avenue, Morris County, S97(7)
Whiting-Hornerstown Road, Ocean County, S119(7)
Franklin Boulevard, Somerset County, S185(3)
Boonton Turnpike, Morris County, S186(3)
Lincoln Bridge, Passaic County, S245(1)

PREPARING SPECIFICATIONS

Whiting-Hornerstown Road, Ocean County, S119(7)
Lincoln Bridge, Passaic County, S245(1)

PROJECTS ADVERTISED

None

BIDS RECEIVED

Vine Street Bridge, Cumberland County, S199(2)

CONTRACTS AWARDED

Vine Street Bridge, Cumberland County, S199(2)

PROJECTS ACCEPTED AS COMPLETE

None

MISCELLANEOUS

Reviewing plans for proposed construction as requested by various Counties, checking As Builg Plans for Final Payments, preparing Final Estimates, etc., on completed projects. Also preparing Final Vouchers on completed projects, making Final Inspections. A Supplemental Program containing two (2) F. A. S. Projects was submitted to the Bureau of Public Roads for their approval. Received Final Payment from Federal Government on F. A. S. Projects.

Month of May

Reviewing plans for proposed construction as requested by various Counties, Boroughs and Municipalities.

Preparing As Built Plans for Final Payments, preparing Final Estimates, etc., as required.

Making Final Inspections. A Supplemental Program containing two (2) F. A. S. Projects has been submitted to the Bureau of Public Roads for their approval.

Receiving Final Payment from Federal Government on F. A. S. Projects.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of MAY 19 61

Division: Roads, Design & Construction

Bureau: Location & Design

FEDERAL AID

Programming of Proj. I-80-1(2)26 R/W .6 Mile west of Rt. US-46 E. to Rt. US-46, Netcong; I-80-3(3)39 R/W Route 53 east to Parsippany Road; I-80-3(4)43 R/W Parsippany Road east to Edwards Road; I-80-3(5)46 R/W Edwards Road east to Horseneck Road; I-80-3(6)49 R/W Horseneck Road east to Two Bridge Rd.(Fairfield Rd.); I-287-3(5) R/W Modification Rt. I-80 and Main Road; IG-287-1(19)(Con), Whitman Ave. north to New Durham Road;U-95(47) Utility, Urban Item 242 (modified) Rt. 287 Section 3C; EUF-204(2)R/W Urban Item 237 - Lake Valley Road, Morris Twp.; EUF-204(2) R/W Prim. Item 197 - Lake Valley Road, Morris Twp.; I-80-5(19) Con., Hackensack River Bridge East to Point E. of Teaneck Road.

OFFICE ENGINEER

Processing Plans and Specifications for Rt. US 1 & 9 Sections 2A & 4C, Southbound Crossovers, in Elizabeth & Newark; Route US 1 & 9 Section 4B, Island Closings, Elizabeth; Route US 1, Section 5A & 6B, P.R.R. Bridge to Rt. US 130 Circle; Route 18 Section 1A, from N.J. Turnpike to Milltown Road; Route 23 Section 11A, Clove Road to New York State Line; Route 70 Section 2A, from Route 41 to So. Branch Pennsauken Creek; Route 71 Section 2A, West End Ave. to Stockton Ave.; Route 80 Section 4C, River Drive to Boulevard; Route 80 Section 4F, Garden State Parkway to Saddle River Road; Route 80 Section 5F, Railroad Ave. to Routes 80 & 95 Interchange; Route 80 Section 5P, Main St. to 1000' south of Hackensack-Lodi RR; Route US 130 Sections 7C & 9C, Bridge and Left Turn Connectors; Route 287 Sections 13B and 14A, from Vreeland Ave. to Rt. US 202; Route US 322 Sections 11A & 3B, from Cecil to Folsum; Glassboro State College - parking area; Rutgers University - parking and service areas.

INTERSTATE

Rt. 80 Sec. 1, Studies reviewed of alignment jointly with Bureau. Further studyto be made; Rt. 80, Sec. 3, Entire section programmed for R/W purchasing. Design of plans under preparation; Rt. 80 Section 4, Rt. 23-Rt. 80 Interchange approved. Design underway; Section 4C - plans completed. Ready for advertising; Rt. 80 Section 5, Hudson St. Interchange @ Hackensack approved. Contract and R/W plans being prepared. R/W plans to be ready early in June. Section - Main St. Lodi to Rt. 17 - plans completed, ready for advertising. Section in Bogota, Teaneck, plans completed, under review for advertising; Rt. 78 Section 5, part of Section 5 in Springfield and its connection with Rt. 24 Freeway. Contract plans and R/W maps under preparation for early fall advertising. Designs approved.

Pavement of Proj. I-80-1(2)26 N/W .6 mile west of Rt. 93-46
to Rt. 93-46, Nutley; Proj. I-80-3(3)39 N/W Route 53 east to Paterson
[illegible]

Item 237-1(19)(Com), Whitman Ave. north to
Item 20-5(17) Utility, Urban Item 2Mz (modified) Rt. 207
Sec. 208-20M(2)N/W Urban Item 237 - Lake Valley Road, Morris Twp.;
Proj.: 208-20M(2) N/W Prin. Item 197 - Lake Valley Road, Morris Twp.;
80-5(12) Com., Hackensack River Bridge East to Point E. of Terminal
Road.

Southbound Crossovers, in Elizabeth & Newark; Route 25 I & 9
on 28, Island Closings, Elizabeth; Route 25 1, Section 5A & 6B,
Bridge to Rt. 28 I30 Circle; Route 18 Section 1A, from
Turnpike to Millburn Road; Route 23 Section 11A, Clove Road
York State Line; Route 70 Section 2A, from Route 41 to So.
Pennsauken Creek; Route 71 Section 2A, West 2nd Ave. to
ton Ave.; Route 80 Section 4C, River Drive to Secaucus;
0 Section 4F, Garden State Parkway to Saddle River Road;
Section 5P, Railroad Ave. to Routes 80 & 95 Interchange;
ute 80 Section 5P, Main St. to 1000' south of Hackensack-Godi Rd;
e 28 I30 Sections 7G & 9C, Bridge and Left Turn Connectors;
ute 287 Sections 13B and 14A, from Vreeland Ave. to Rt. 28;
252 Sections 11A & 3B, from Cecil to Folsum; Glassboro
College - parking area; Rutgers University - parking and
areas.

No. 1, Studies reviewed or alignment jointly with Bureau.
study to be made; Rt. 80, Sec. 3, Metine section programmed
N/W procedsing. Design of plans under preparation; Rt. 80
- plans complete. Ready for advertising; Rt. 80
Interchange @ Hackensack approved. Contract
plans to be ready early in
Rt. 17 - plans complete, ready
Teaneck, plans completed,
3 Section 5, part of Section 5
Parkway. Contract
for early fall advertising.

INTERSTATE (Con't.)

Rt. 287 Section 14 - North contract (Boonton) - plans completed and reviewed. Ready for advertising; Rt. 280 East-West Freeway - Consultants engaged to prepare construction and R/W plans. Work to start immediately. Portion from West Orange to Rt. 80 Montville preparing for public hearing - probably end of June; Route 295 Deepwater to Bridgeport - R/W plans being pushed.

MISCELLANEOUS

Rt. 15 Wharton to Sparta - preparation of first contract, construction plans, etc., underway; Route 23, Charlottesburg, etc., Public hearing to be held June 1st; Rt. 17 Linwood Ave - Public hearing held May 31st; Rt. 22, Newark to Union - Resurfacing plans completed. Ready for advertising; Rt. US 1, Elizabeth - plans for island closings and paving of local streets as jughandles completed, and are ready for advertising; Rt. 23, Clove Rd. to N.Y. State Line, plans complete and being prepared for advertising; Rt. US 22 - Bound Brook, etc. - plans for jughandles and barrier curb 70% complete; Rt. 21, Section 5C - Newark, Belleville - preparation of construction and R/W plans underway, about 30% complete; Rt. 4 - plans underway for pedestrian overpasses - 50% complete; Rts. 10, US 206 - West Orange and Ross' Corners, plans for rebuilding bridges at these two locations 70% complete. Rt. 35, Section 4B - Eatontown - meetings with local officials; Rt. US 202-69 - East Amwell - meetings with local officials; Rt. 34 - Rt. 33 to Briele, Jughandle locations set; Rt. 33 - Rt. 34 to Parkway - gemoetrics set; Rt. US 130 - Camden to Burlington - Geometrics set.

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of May 19[illegible]

Division: of Design & Construction
Bureau: Road Construction

		LOCATION	PERCENTAGE COMPLETED May 1st.61	June 1st.61
[illegible]	[illegible]	Tonnele Ave. Traffic Circle to Fairview Avenue	75%	75%
[illegible]	[illegible]	Livingston Circle to Teed Road, Grading and Drainage	37%	48%
[illegible]	[illegible]	Interchange East Ridgewood Avenue	1%	6%
[illegible]	[illegible]	From Highfield Lane to So. Parkway, Grading, Paving & Bridge	83%	84%
[illegible]	[illegible]	Underpass at Mountain Avenue	13%	20%
[illegible]	[illegible]	Colidge Place to Bridge St. R.R. Bridge Reconstruction	55%	64%
[illegible]	[illegible]	From East St. to Lincoln Ave., Widening, Resurf. & Bridge	32%	37%
[illegible]	[illegible]	Wilburtha Road to Scudders Falls		
[illegible]	[illegible]	Delaware River Bridge to Scotch Road	80%	80%
[illegible]	[illegible]	Eisenhower Ave. to Curtis Point Drive, Paving & Grading	36%	47%
[illegible]	[illegible]	From Route 35 Traffic Circle to Oceanport Avenue	26%	28%
[illegible]	[illegible]	From County Road 540 to Route 48, Dualization and Bridge	25%	33%
[illegible]	[illegible]	Intersection Improvements, [illegible] Rd. and [illegible] Road		2%
[illegible]	[illegible]	Drainage in the City of Vineland	66%	81%
[illegible]	[illegible] to [illegible]	From Hammonton to Buena, Paving, Drainage and Culvert	16%	27%
[illegible]	[illegible]	From Back Brook to Rocktown, Pavt. Widening & Resurfacing	46%	67%
[illegible]	[illegible]	So. Branch Pennsauken Creek to Route 38	89%	90%
[illegible]	[illegible]	From C.R. of New Jersey to Mulhockaway Creek, Paving	4%	5%
[illegible]	[illegible]	Route U.S. 46 to Landing Road Interchange	7%	11%
[illegible]	[illegible]	Landing Road Interchange to Howard Blvd., Grading & Paving	50%	53%
[illegible]	[illegible]	U.S. 46 to Route 53, Grading, Paving and Bridges	53%	61%
[illegible]	[illegible]	Demolition of Buildings	8%	28%
[illegible]	[illegible]	Hackensack River Bridge Substructure, Grading & Drainage	7%	20%
[illegible]	[illegible]	Sand Drains and Incidental Work	4%	8%
[illegible]	[illegible]	L.V.R.R. Bridge and Pavement Reconstruction	62%	66%
[illegible]	[illegible]	Teaneck Creek to Northern R.R. of New Jersey	36%	53%
[illegible]	[illegible]	Overpass Bridge at Broad Avenue and Grand Avenue	73%	79%
[illegible]	[illegible]	Teaneck Road to Route 4, Grading, Drainage and Bridge	3%	6%
[illegible]	[illegible]	Route 4 to Fletcher Avenue, Grading, Paving and Bridges	4%	7%
[illegible]	[illegible]	Overpass Viaduct, City of Englewood	.008%	0.22%
[illegible]	[illegible]	From Interchange at Route 73 Township of Pennsauken	66%	72%
[illegible]	[illegible]	Resurfacing, Interchange Improvements & Barrier Curb	21%	41%
[illegible]	[illegible]	Constable Hook to Point Breeze	86%	88%
[illegible]	[illegible]	Dualization So. Br. Raritan River to Beechwood Drive	46%	46%
[illegible]	[illegible]	Drainage Construction		66%
[illegible]	[illegible]	Interchange Borough of Franklin Lakes	92%	92%
[illegible]	[illegible]	Bridge over N.Y., Susquehanna & Western Railroad	25%	35%
[illegible]	[illegible]	Interchange to Viaduct at Lehigh Valley Railroad	81%	82%
[illegible]	[illegible]	Weston Canal Road to River Road Interchange	96%	96%
[illegible]	[illegible]	East of River Road to Stelton Road, Grading, Paving & Bridge	27%	33%
[illegible]	[illegible]	Stelton Rd. to New Durham Rd., Grading, Paving and Bridges		.00[illegible]
[illegible]	[illegible]	Browning Lane to Broadway, Grading, Paving & Bridges	83%	83%
[illegible]	[illegible]	From 8th Street to Weymouth Road, Dualization	44%	50%
[illegible]	[illegible]	Clendenny Ave. to Danforth Avenue, Paving Widening	47%	60%
[illegible]	[illegible]	From 2nd River Bridge to Centre St. Resurfacing		42%
		N. J. State Teachers College at Montclair - Contract #3	4%	4%
		Paterson State Teachers College - Contract #2	14%	17%

Form #AD-39

MONTHLY DIVISIONAL REPORT Month of May 1961

Division: of Design & Construction
Bureau: Road Construction

CONTRACT AWARDED IN MAY

Routes U.S. 130(1953) and U.S. 206(1953) Section 1-A - Interchange at Bordentown. Awarded to Kingston Bituminous Products Company on May 11, 1961.

CONTRACTS ACCEPTED IN MAY

Route 95, Section 1-C - Removal of unsuitable material from Teaneck Road to Teaneck Creek. Accepted May 11, 1961.

Route 18, Section 5 - Spring Valley Road to Route U. S. 9. Accepted May 11, 1961 (Road Only) Bridge previously accepted

Route 78, Section 5-C - Demolition of Buildings - Accepted May 18, 1961.

Route 80-3, Section 1 - Route 295, Section 2-3, from Route U.S. 130 to Browning Road. Accepted May 22, 1961.

GENERAL NOTES

As of June 1, 1961, there were 54 projects underway, valued at approximately $107,000,000. and being inspected by 186 men.

E. Y. Corson

E. Y. Corson
Supervising Engineer, Bureau of Road Construction

Form #AD-39

MONTHLY DIVISIONAL REPORT

Month of May 1961

Division: State Aid
Bureau:

GENERAL: Unsatisfactory weather has delayed starting of annual maintenance programs until late in period.

COUNTIES: Bituminous Surface Treatment programs in several counties were started late in period. 32 items requiring office processing were received, processing has been completed on 38 items.

MUNICIPALITIES: Work on construction projects carried over from 1960 is well under way. Some new construction projects and some annual maintenance work has been started. 239 items requiring office processing were received. Processing has been completed on 527 items.

PERSONNEL: 5 new men in the grade of Highway Inspector, Projects, were employed.

Positions authorized - 119
Positions vacant - 5

Work on construction projects carried over from 1960 is well under way. Some new construction projects and some annual maintenance work has been started. 259 items requiring office processing were received. Processing has been completed on 527 items.

5 new men in the grade of Highway Inspector, were employed.

Positions authorized - 119
Positions vacant - 5

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